

For Research Use Only

TERT Recombinant antibody

Catalog Number: 84636-1-RR



Basic Information

Catalog Number: 84636-1-RR	GenBank Accession Number: NM_198255	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7015	CloneNo.: 241074H2
Source: Rabbit	UNIPROT ID: O14746	Recommended Dilutions: IF/ICC 1:200-1:800
Isotype: IgG	Full Name: telomerase reverse transcriptase	
	Calculated MW: 127 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : MCF-7 cells,
Species Specificity: human	

Background Information

Telomerase reverse transcriptase (TERT) is a catalytic subunit of telomerase. TERT plays a key role in cancer formation, ensuring chromosomal stability by maintaining telomere length, and allowing cells to avert senescence. It constitutes a limiting factor for formation of the telomerase complex in cancer cells. TERT is one of two major components of the larger telomerase complex, which extends telomeres by adding specific short repetitive DNA sequences. Telomerase is a ribonucleoprotein enzyme essential for the replication of chromosome termini in most eukaryotes. Active in progenitor and cancer cells. Inactive, or very low activity, in normal somatic cells.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

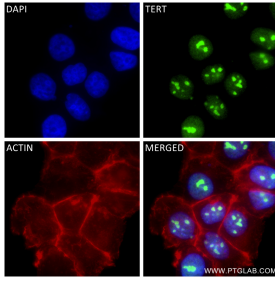
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using TERT antibody (84636-1-RR, Clone: 241074H2) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).